

	Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)				
									FNL	FSL	FWL	FEL
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8424	199	4653	659
BHL	12589	92.74	356.78	4835.95	8086.38	-143.18	8087.29	0.64	336	8287	4563	735
Miss Entry	5018	51.25	0.45	4821.08	552.80	-5.49	552.82	6.41	7871	752	4651	660
Top Perf	5070	54.12	2.52	4852.51	594.19	-4.56	594.21	5.73	7829	793	4652	659
Bottom Perf	12470	92.03	356.76	4840.25	7967.64	-136.52	7968.50	0.56	455	8168	4569	729

	Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)				
									FNL	FSL	FWL	FEL
	0	0.0	0	0	0	0	0	0	8424	199	4653	659
	2711	0.34	317.83	2710.98	5.96	-5.40	6.01	0.01	8418	205	4647	665
	3157	0.59	329.49	3156.97	8.92	-7.45	8.98	0.06	8415	208	4645	667
	3635	0.59	302.99	3634.94	12.38	-10.77	12.47	0.06	8411	212	4642	670
	3922	0.90	273.25	3921.92	13.31	-14.26	13.43	0.17	8410	213	4638	674
	3985	1.34	278.38	3984.91	13.45	-15.48	13.58	0.72	8410	213	4637	675
	4017	3.47	354.38	4016.88	14.47	-15.95	14.60	10.64	8409	214	4637	675
	4049	5.69	7.20	4048.78	17.01	-15.84	17.14	7.60	8406	216	4637	675
	4081	8.96	12.03	4080.52	21.02	-15.12	21.14	10.39	8402	220	4638	674
	4113	11.53	9.63	4112.00	26.61	-14.07	26.72	8.14	8397	226	4639	673
	4145	13.66	9.20	4143.23	33.49	-12.93	33.60	6.66	8390	233	4640	672
	4177	15.02	8.69	4174.23	41.32	-11.70	41.42	4.27	8382	241	4641	671
	4209	16.22	7.49	4205.05	49.85	-10.49	49.94	3.88	8374	249	4642	669
	4241	18.60	9.81	4235.58	59.31	-9.04	59.39	7.75	8364	259	4644	668
	4273	21.86	8.50	4265.61	70.24	-7.29	70.29	10.28	8353	270	4646	666
	4305	24.72	6.65	4295.00	82.78	-5.63	82.82	9.22	8341	282	4648	664
	4337	26.26	7.23	4323.88	96.45	-3.97	96.48	4.88	8327	296	4649	663
	4368	27.76	6.04	4351.50	110.43	-2.34	110.45	5.14	8313	310	4651	661
	4400	30.83	5.04	4379.40	126.01	-0.84	126.02	9.71	8298	325	4653	659
	4432	33.46	3.55	4406.50	142.99	0.43	142.98	8.58	8281	342	4654	658
	4463	34.71	2.56	4432.17	160.34	1.35	160.32	4.41	8263	360	4655	657
	4496	34.10	2.63	4459.40	178.96	2.20	178.94	1.85	8245	378	4656	656
	4528	35.43	1.42	4485.68	197.20	2.84	197.17	4.68	8226	396	4657	655
	4560	38.12	0.81	4511.31	216.35	3.21	216.32	8.48	8207	416	4657	654
	4592	41.56	0.17	4535.88	236.85	3.38	236.81	10.83	8187	436	4658	654
	4624	44.21	359.90	4559.33	258.62	3.39	258.59	8.30	8165	458	4658	654
	4655	46.34	357.94	4581.14	280.64	2.97	280.61	8.21	8143	480	4657	654
	4687	47.89	357.18	4602.92	304.07	1.97	304.04	5.15	8119	503	4657	655
	4719	47.98	356.96	4624.36	327.79	0.75	327.77	0.58	8096	527	4656	656
	4750	49.80	357.79	4644.74	351.12	-0.31	351.11	6.21	8072	550	4655	657
Top of Tangent @ 4750'	4782	49.83	358.34	4665.39	375.55	-1.14	375.55	1.32	8048	575	4654	657
	4827	48.75	357.94	4694.74	409.65	-2.24	409.65	2.49	8014	609	4653	658
	4878	47.99	358.21	4728.62	447.74	-3.53	447.76	1.54	7976	647	4652	659
	4910	47.86	358.20	4750.06	471.49	-4.27	471.50	0.41	7952	671	4651	660
Bottom of Tangent @ 4950'	4941	47.47	358.72	4770.94	494.39	-4.89	494.42	1.77	7929	694	4651	660
	4973	49.06	358.86	4792.24	518.27	-5.39	518.29	4.98	7905	718	4651	660
	5005	50.11	0.22	4812.98	542.63	-5.58	542.66	4.61	7881	742	4651	660
	5036	52.84	0.76	4832.29	566.88	-5.37	566.90	8.91	7857	766	4651	660
	5068	53.92	2.47	4851.38	592.55	-4.65	592.57	5.46	7831	792	4652	659
	5101	57.14	3.35	4870.06	619.72	-3.26	619.72	10.00	7804	819	4653	657
	5133	61.07	3.33	4886.48	647.12	-1.66	647.11	12.28	7776	846	4655	656
	5165	65.23	3.41	4900.93	675.62	0.02	675.59	13.00	7748	875	4657	654
	5197	69.66	3.86	4913.20	705.10	1.89	705.06	13.90	7718	904	4659	652
	5229	74.32	3.73	4923.10	735.46	3.90	735.40	14.57	7688	935	4661	649
	5260	77.92	4.58	4930.53	765.47	6.09	765.39	11.91	7658	965	4664	647
	5293	82.06	4.89	4936.27	797.85	8.77	797.75	12.58	7626	997	4667	644
	5325	86.39	3.63	4939.48	829.59	11.13	829.47	14.09	7594	1029	4669	641
	5439	91.64	2.96	4941.44	943.35	17.68	943.17	4.64	7480	1142	4677	634
	5500	90.49	3.12	4940.31	1004.25	20.91	1004.04	1.90	7419	1203	4680	630
	5564	92.17	3.35	4938.82	1068.13	24.53	1067.89	2.65	7356	1267	4684	626
	5628	92.05	2.92	4936.47	1131.99	28.02	1131.72	0.70	7292	1331	4688	622
	5724	92.17	1.57	4932.93	1227.85	31.78	1227.54	1.41	7196	1427	4692	617
	5820	92.22	2.90	4929.26	1323.70	35.52	1323.36	1.39	7100	1523	4697	613
	5915	92.65	1.54	4925.22	1418.54	39.20	1418.17	1.50	7005	1617	4701	608
	6010	91.33	1.70	4921.92	1513.44	41.88	1513.05	1.40	6910	1712	4704	605
	6105	91.96	0.85	4919.19	1608.38	44.00	1607.96	1.11	6815	1807	4707	602
	6201	90.03	359.00	4917.53	1704.36	43.87	1703.93	2.78	6719	1903	4708	601
	6296	91.23	357.29	4916.48	1799.30	40.80	1798.90	2.20	6624	1998	4705	604
	6391	89.27	356.94	4916.07	1894.17	36.01	1893.81	2.10	6530	2093	4701	608
	6487	90.86	358.48	4915.96	1990.09	32.18	1989.75	2.31	6434	2189	4698	611
	6582	88.77	358.06	4916.27	2085.04	29.31	2084.72	2.24	6339	2284	4696	613
	6677	90.00	358.27	4917.29	2179.98	26.27	2179.69	1.31	6244	2379	4693	615
	6773	90.47	357.11	4916.89	2275.90	22.40	2275.64	1.30	6148	2475	4690	618
	6837	92.51	357.98	4915.23	2339.82	19.66	2339.57	3.47	6084	2539	4688	620
	6901	91.48	357.15	4913.00	2403.72	16.94	2403.50	2.07	6020	2603	4685	622
	6964	91.35	356.51	4911.44	2466.60	13.46	2466.41	1.04	5957	2666	4682	625
	7059	91.33	356.96	4909.22	2561.42	8.05	2561.27	0.47	5862	2761	4678	630

7122	91.32	356.41	4907.77	2624.30	4.41	2624.17	0.87	5799	2823	4674	633
7186	91.41	356.80	4906.24	2688.17	0.62	2688.07	0.63	5735	2887	4671	636
7249	91.54	357.52	4904.62	2751.07	-2.50	2751.00	1.16	5672	2950	4668	639
7344	90.53	356.19	4902.90	2845.91	-7.71	2845.87	1.76	5578	3045	4664	643
7440	88.86	357.70	4903.41	2941.76	-12.83	2941.77	2.35	5482	3141	4659	648
7535	90.77	357.76	4903.72	3036.68	-16.59	3036.72	2.01	5387	3236	4656	651
7629	91.87	358.61	4901.56	3130.61	-19.57	3130.67	1.48	5293	3330	4654	653
7726	92.12	359.51	4898.18	3227.54	-21.16	3227.60	0.96	5196	3427	4653	654
7821	90.58	358.76	4895.94	3322.50	-22.59	3322.57	1.80	5101	3522	4652	654
7917	91.67	0.21	4894.06	3418.47	-23.46	3418.55	1.89	5005	3618	4652	654
8013	91.54	359.54	4891.37	3514.43	-23.66	3514.51	0.71	4909	3714	4652	654
8109	93.79	359.22	4886.90	3610.32	-24.70	3610.40	2.37	4813	3810	4652	654
8205	93.78	359.52	4880.57	3706.10	-25.76	3706.19	0.31	4717	3906	4651	654
8301	93.31	359.46	4874.63	3801.91	-26.61	3802.00	0.49	4621	4001	4651	654
8396	95.38	359.19	4867.43	3896.63	-27.72	3896.72	2.20	4527	4096	4651	655
8459	94.79	0.25	4861.85	3959.38	-28.03	3959.47	1.92	4464	4159	4651	654
8491	94.40	0.57	4859.29	3991.27	-27.80	3991.37	1.57	4432	4191	4651	654
8522	91.91	358.60	4857.58	4022.22	-28.03	4022.32	10.24	4401	4222	4651	654
8586	90.71	359.29	4856.12	4086.19	-29.20	4086.30	2.16	4337	4286	4650	654
8616	90.68	359.16	4855.75	4116.19	-29.61	4116.29	0.44	4307	4316	4650	655
8647	88.83	358.63	4855.88	4147.18	-30.21	4147.29	6.21	4276	4347	4650	655
8678	89.04	358.52	4856.46	4178.17	-30.98	4178.28	0.76	4245	4378	4649	655
8708	88.78	358.14	4857.03	4208.15	-31.85	4208.27	1.53	4215	4408	4649	656
8754	87.76	357.85	4858.42	4254.10	-33.46	4254.23	2.31	4169	4454	4647	657
8786	88.28	356.95	4859.53	4286.05	-34.91	4286.19	3.25	4137	4486	4646	659
8817	88.67	357.98	4860.35	4317.00	-36.28	4317.16	3.55	4106	4517	4645	660
8849	88.67	357.58	4861.09	4348.97	-37.52	4349.13	1.25	4074	4549	4644	661
8881	89.01	358.25	4861.74	4380.94	-38.69	4381.11	2.35	4042	4581	4643	661
8912	88.74	358.13	4862.35	4411.92	-39.67	4412.10	0.95	4011	4612	4642	662
8944	89.41	358.51	4862.87	4443.90	-40.60	4444.09	2.41	3979	4644	4641	663
8975	89.94	358.50	4863.04	4474.89	-41.41	4475.08	1.71	3948	4675	4641	663
9007	90.21	358.89	4863.00	4506.88	-42.14	4507.08	1.48	3916	4707	4640	664
9039	89.01	357.73	4863.22	4538.87	-43.08	4539.07	5.22	3884	4738	4639	665
9071	89.57	357.58	4863.62	4570.84	-44.39	4571.05	1.81	3852	4770	4638	666
9103	89.78	357.92	4863.80	4602.81	-45.65	4603.03	1.25	3820	4802	4637	667
9135	89.63	357.85	4863.96	4634.79	-46.83	4635.02	0.52	3788	4834	4636	668
9167	89.66	357.85	4864.16	4666.77	-48.03	4667.01	0.09	3757	4866	4635	668
9199	90.22	357.60	4864.19	4698.74	-49.30	4698.99	1.92	3725	4898	4634	669
9231	90.37	358.47	4864.03	4730.72	-50.40	4730.98	2.76	3693	4930	4633	670
9263	89.47	357.41	4864.07	4762.70	-51.55	4762.97	4.35	3661	4962	4632	671
9295	89.53	358.68	4864.35	4794.68	-52.64	4794.95	3.97	3629	4994	4632	672
9327	89.72	358.40	4864.56	4826.67	-53.46	4826.95	1.06	3597	5026	4631	673
9359	89.84	358.67	4864.68	4858.66	-54.27	4858.94	0.92	3565	5058	4630	673
9391	89.20	359.59	4864.95	4890.65	-54.76	4890.94	3.50	3533	5090	4630	673
9423	89.16	359.72	4865.41	4922.65	-54.95	4922.94	0.43	3501	5122	4630	673
9487	90.15	359.89	4865.80	4986.65	-55.17	4986.93	1.57	3437	5186	4630	673
9595	89.47	359.19	4866.15	5094.64	-56.04	5094.93	0.90	3329	5294	4630	673
9687	89.97	359.94	4866.60	5186.64	-56.74	5186.93	0.98	3237	5386	4630	673
9780	89.78	359.32	4866.81	5279.64	-57.34	5279.93	0.70	3144	5479	4630	673
9872	89.75	359.57	4867.18	5371.63	-58.23	5371.93	0.27	3052	5571	4630	673
9964	90.49	0.26	4866.99	5463.63	-58.36	5463.92	1.10	2960	5663	4630	672
10060	90.46	0.20	4866.20	5559.62	-57.98	5559.91	0.07	2864	5759	4631	671
10155	90.86	0.07	4865.10	5654.62	-57.76	5654.90	0.44	2769	5854	4632	670
10251	91.36	359.81	4863.24	5750.60	-57.86	5750.88	0.59	2673	5950	4633	669
10346	91.23	359.81	4861.09	5845.57	-58.17	5845.86	0.14	2578	6045	4633	669
10442	91.14	359.37	4859.11	5941.55	-58.86	5941.84	0.47	2482	6141	4633	669
10538	90.74	359.45	4857.53	6037.53	-59.85	6037.82	0.42	2386	6237	4633	669
10633	91.54	359.25	4855.64	6132.51	-60.92	6132.80	0.87	2291	6332	4632	669
10729	90.40	359.12	4854.02	6228.48	-62.29	6228.78	1.20	2195	6428	4631	670
10824	89.48	358.18	4854.12	6323.45	-64.53	6323.77	1.38	2100	6523	4630	671
10920	90.03	357.75	4854.53	6419.39	-67.94	6419.73	0.73	2004	6619	4627	674
11015	89.94	357.65	4854.55	6514.32	-71.75	6514.69	0.14	1909	6714	4624	677
11110	90.62	357.61	4854.09	6609.23	-75.68	6609.63	0.72	1814	6809	4621	680
11206	91.35	356.38	4852.44	6705.08	-80.71	6705.52	1.49	1718	6905	4616	684
11303	91.76	356.79	4849.81	6801.88	-86.48	6802.36	0.60	1621	7002	4611	689
11398	90.06	357.55	4848.30	6896.74	-91.17	6897.26	1.96	1526	7097	4607	693
11494	89.82	358.16	4848.40	6992.68	-94.77	6993.22	0.68	1430	7193	4604	696
11588	90.62	357.50	4848.04	7086.61	-98.33	7087.18	1.10	1336	7287	4601	699
11683	90.95	357.61	4846.74	7181.51	-102.38	7182.11	0.37	1241	7382	4598	702
11779	90.30	357.87	4845.89	7277.43	-106.16	7278.06	0.73	1146	7478	4594	705
11875	89.40	358.29	4845.94	7373.37	-109.38	7374.03	1.03	1050	7574	4592	707
11971	89.90	357.97	4846.53	7469.32	-112.51	7470.00	0.62	954	7670	4589	710
12067	89.50	357.61	4847.03	7565.25	-116.21	7565.95	0.56	858	7766	4586	712
12164	90.60	357.66	4846.94	7662.16	-120.22	7662.90	1.14	761	7863	4583	716
12258	90.90	356.79	4845.71	7756.04	-124.77	7756.81	0.98	667	7956	4579	719
12354	91.40	356.88	4843.79	7851.88	-130.07	7852.69	0.53	571	8052	4574	724
12449	91.90	356.75	4841.05	7946.69	-135.34	7947.54	0.54	476	8147	4570	728
12546	92.50	356.81	4837.33	8043.47	-140.79	8044.36	0.62	379	8244	4565	733
12642	93.03	356.74	4834.26	8138.93	-146.12	8139.86	0.66	284	8340	4560	738